

WHAT IS CLAIMED IS:

1. An ink jet recording head comprising:
an element base plate provided with plural
discharge energy-generating elements for
5 generating a bubble in liquid by thermal energy,
and a through opening becoming a supply chamber
for leading liquid to said discharge energy-
generating elements; and
a flow path forming base plate for forming
10 plural bubbling chambers containing said discharge
energy-generating elements on the face of said
element base plate having said discharge energy-
generating elements formed thereon, and plural
supply paths for leading liquid to each of said
15 bubbling chambers, and having plural nozzles
provided therefor to enable each of said bubbling
chambers to be communicated with the outside of
the head, wherein
said ink jet recording head is provided with
20 a flow path structure having the flow path
sectional area right angled to the liquid flow
direction becoming the narrowest between said
bubbling chamber and the through opening, and said
flow path structure changes with difference in
25 level with respect to the direction perpendicular
to the face of said element base plate having said
discharge energy-generating elements formed

thereon.

2. An ink jet recording head according to
Claim 1, wherein said flow path structure is
5 provided with comparatively wide flow path portion
and narrow portion.

3. An ink jet recording head according to
Claim 1, wherein said flow path structure is
10 provided with a first structure for closing a part
of said supply path on the face of said element
base plate having said discharge energy-generating
elements formed thereon, and a second structure
formed to be column from said first structure on
15 said flow path forming base plate for closing a
part of said supply path.

4. An ink jet recording head according to
Claim 1, wherein the shape of the portion of the
20 flow path section right angled to the liquid flow
path having the narrowest flow path sectional area
is square.

5. An ink jet recording head according to
25 Claim 3, wherein a cut-off portion is provided for
said first structure in the liquid flow direction.

6. An ink jet recording head according to Claim 1, wherein the width of flow path of the portion of the flow path section right angled to the liquid flow direction having the narrowest
5 flow path sectional area and in contact with the face of said element base plate having said discharge energy-generating elements formed thereon is smaller than the width of the flow path in contact with the face of said flow path forming
10 base plate facing the said face having the discharge energy-generating elements formed thereon.

7. An ink jet recording head according to
15 Claim 3, wherein said first structure is square column, and said second structure is column.

8. An ink jet recording head according to Claim 1, wherein a bubble generated by said
20 discharge energy-generating elements is communicated with the air outside for discharging a liquid droplet.